

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	stripping of a hydrogenation catalyst	US-PGPUB; USPAT	ADJ	ON	2007/10/15 14:19
S2	4	stripping hydrogenation catalyst	US-PGPUB; USPAT	ADJ	ON	2007/10/15 14:19
S3	10	"5817589"	US-PGPUB; USPAT	ADJ	ON	2008/01/18 10:51
S4	600	Frenzel	US-PGPUB; USPAT	ADJ	ON	2008/01/18 10:51
S5	479	Frenzel AND @ay<="2003"	US-PGPUB; USPAT	ADJ	ON	2008/01/18 10:52
S6	0	regenerat\$7 NEAR7 hydrogenation catalyst AND strip\$7 AND @ay<="2002"	US-PGPUB; USPAT	ADJ	ON	2008/01/18 11:25
S7	21	regenerat\$7 NEAR7 hydrogenation catalyst AND strip\$7 AND @ay<="2002"	US-PGPUB; USPAT	ADJ	ON	2008/01/18 11:25
S8	2	"99202193"	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/18 11:32
S9	3	"99202193""."S3	US-PGPUB; USPAT; DERWENT	ADJ	ON	2008/01/18 11:32
S11	2	"20030023121"	US-PGPUB; USPAT	ADJ	ON	2008/05/07 16:03
S12	0	METHOD FOR REGENERATING A HYDROGENATION CATALYST	US-PGPUB; USPAT	ADJ	ON	2008/05/08 16:03
S13	446	HYDROGENATION CATALYST.TI.	US-PGPUB; USPAT	ADJ	ON	2008/05/08 16:03
S14	10	S13 AND Hill	US-PGPUB; USPAT	ADJ	ON	2008/05/08 16:03
S15	1	regenerat\$5 WITH hydrogenation catalyst AND (woven OR knitted) mesh	US-PGPUB; USPAT	ADJ	OFF	2008/05/08 20:14
S16	2	regenerat\$5 WITH hydrogenation catalyst AND metallic support	US-PGPUB; USPAT	ADJ	OFF	2008/05/08 20:14

S17	7	(regenerat\$5 WITH hydrogenation catalyst) AND palladium AND ((hydrogen OR methane OR nitrogen) WITH strip\$5)	US-PGPUB; USPAT	ADJ	OFF	2008/05/08 20:17
S18	0	(regenerat\$5 WITH hydrogenation catalyst) AND palladium AND (non\$porous) support	US-PGPUB; USPAT	ADJ	OFF	2008/05/09 12:56
S19	1	(regenerat\$5 WITH hydrogenation catalyst) AND palladium AND (non\$porous OR non porous OR metallic) support	US-PGPUB; USPAT	ADJ	OFF	2008/05/09 12:57
S20	23	(regenerat\$5 WITH hydrogenation catalyst) AND palladium AND stainless steel	US-PGPUB; USPAT	ADJ	OFF	2008/05/09 12:58
S21	43	(regenerat\$5 WITH hydrogenation catalyst) AND palladium AND (stainless steel OR metal OR nonporous OR non\$porous OR non porous OR metallic) WITH (substrate OR support)	US-PGPUB; USPAT	ADJ	OFF	2008/05/09 13:05
S22	27	S21 NOT S20	US-PGPUB; USPAT	ADJ	OFF	2008/05/09 13:06
S23	1	"4673663".pn.	US-PGPUB; USPAT	ADJ	OFF	2008/05/09 13:17
S24	1	"5368475".pn.	US-PGPUB; USPAT	ADJ	OFF	2008/05/09 13:25
S25	1	"5063194".pn.	US-PGPUB; USPAT	ADJ	OFF	2008/05/09 13:31
S26	9	"907348"	DERWENT	ADJ	OFF	2008/05/09 15:51
S27	1	palladium AND hydrogenation catalyst AND (thin\$film)	DERWENT	ADJ	OFF	2008/05/09 19:02
S28	34	palladium AND hydrogenation catalyst AND (thin\$film)	US-PGPUB; USPAT; JPO	ADJ	OFF	2008/05/09 19:03
S29	13	S28 AND @ay< = "2002"	US-PGPUB; USPAT; JPO	ADJ	OFF	2008/05/09 19:03
S30	1	"3591552".pn.	US-PGPUB; USPAT	ADJ	OFF	2008/05/09 20:15
S31	2	"3591552".pn.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/05/09 20:15

S32	30	regenerat\$5 AND hydrogenation catalyst AND (supernatant solvent OR solvent with pump)	US-PGPUB; USPAT; JPO	ADJ	OFF	2008/05/09 21:09
S33	30	regenerat\$5 AND hydrogenation catalyst AND (supernatant solvent OR solvent with pump)	US-PGPUB; USPAT; JPO	ADJ	OFF	2008/05/09 21:11
S34	25	S33 AND @ay< = "2002"	US-PGPUB; USPAT; JPO	ADJ	OFF	2008/05/09 21:11
S35	174	regenerat\$5 AND hydrogenation catalyst AND supernatant	US-PGPUB; USPAT; JPO	ADJ	OFF	2008/05/09 21:12
S36	121	S35 AND @ay< = "2002"	US-PGPUB; USPAT; JPO	ADJ	OFF	2008/05/09 21:12
S37	1	regenerat\$5 AND hydrogenation catalyst AND supernatant solvent	US-PGPUB; USPAT; JPO	ADJ	OFF	2008/05/09 21:12
S38	0	regenerat\$5 AND hydrogenation catalyst AND supernatant with wash	US-PGPUB; USPAT; JPO	ADJ	OFF	2008/05/09 21:13
S39	1	regenerat\$5 AND hydrogenation catalyst AND supernatant with rinse	US-PGPUB; USPAT; JPO	ADJ	OFF	2008/05/09 21:13
S40	30	regenerat\$5 AND hydrogenation catalyst AND solvent with pump	US-PGPUB; USPAT; JPO	ADJ	OFF	2008/05/09 21:13
S41	25	S40 AND @ay< = "2002"	US-PGPUB; USPAT; JPO	ADJ	OFF	2008/05/09 21:13
S42	11	regenerat\$5 AND hydrogenation catalyst AND (solvent with pump) same catalyst	US-PGPUB; USPAT; JPO	ADJ	OFF	2008/05/09 21:14
S43	10	S42 AND @ay< = "2002"	US-PGPUB; USPAT; JPO	ADJ	OFF	2008/05/09 21:14
S44	5	(US-20030023121-\$).did. or (US-7256153-\$ or US- 4673663-\$ or US-5063194-\$ or US-5130172-\$).did.	US-PGPUB; USPAT	ADJ	OFF	2008/05/09 21:16
S46	1	S44 AND (solvent OR supernatant)	US-PGPUB; USPAT	ADJ	OFF	2008/05/09 21:17
S47	1	"5332705".pn.	US-PGPUB; USPAT	ADJ	OFF	2008/05/09 21:41
S48	7	"1158418".pn.	EPO; DERWENT	ADJ	OFF	2008/05/09 21:43
S49	0	502/34.ccls. @ad< = "20050422"	US-PGPUB; USPAT	ADJ	ON	2008/12/04 17:42
S50	272	502/34.ccls. AND @ad< = "20050422"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/04 17:43

S51	232	502/53.ccls. AND @ad< = "20050422"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/04 17:43
S52	1	"5817589".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/04 17:45
S53	0	"0550150".pn.	EPO; DERWENT	ADJ	ON	2008/12/04 17:46
S54	5	"550150".pn.	EPO; DERWENT	ADJ	ON	2008/12/04 17:46
S55	116	(S50 OR S51) AND (strip OR stripping)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/04 17:47
S56	61	S55 AND hydrogenation	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/04 17:47
S57	6	S56 AND acetylene	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/04 17:47
S58	6	S57 AND temperature	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/04 17:48
S59	144	(S50 OR S51) AND palladium	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/04 17:49
S60	120	S59 AND regeneration	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/04 17:49
S61	38	S60 AND (strip OR stripping)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/04 17:49
S63	273	502/34.ccls. AND @ad< = "20050422"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/14 14:25
S64	232	502/53.ccls. AND @ad< = "20050422"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/14 14:25
S65	714	502/330.ccls. AND @ad< = "20050422"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/14 14:26
S66	829	502/339.ccls. AND @ad< = "20050422"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/14 14:26
S67	238	585/277.ccls. AND @ad< = "20050422"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/14 14:26
S68	771	(S63 S64 S65 S66 S67) AND hydrogenation	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:27
S69	432	S68 AND (regener\$7 reactiv \$7)	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:28
S70	0	S69 AND (acetylene ethyne "HC.sub.2H" "C.sub.2H. sub.2" propyne Methylacetylene (Methyl ADJ acetylene) "C.sub.3H.sub.4" propadiene) WITH hydrogenat%4	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:31
S71	811	(S63 S64 S65 S66 S67) AND hydrogenat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:32
S72	452	S71 AND (regener\$7 reactiv \$7)	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:32

S75	659	S71 AND (strip\$4 remov\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:34
S76	497	S75 AND (strip\$4 remov\$3) SAME (hydrogen nitrogen "H. sub.2" "N.sub.2")	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:34
S78	436	S76 AND (strip\$4 remov\$3 hydrogen nitrogen "H.sub.2" "N.sub.2") WITH temperature	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:35
S79	356	S78 AND (support carrier)	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:36
S80	245	S79 AND (regener\$7 reactiv \$7)	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:38
S81	216	S80 AND @ad< = "20021023"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/14 14:39
S82	36	S81 AND (acetylene ethyne "HC.sub.2H" "C.sub.2H. sub.2" propyne Methylacetylene (Methyl ADJ acetylene) "C.sub.3H.sub.4" propadiene) WITH hydrogenat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:42
S83	579	S75 AND (strip\$4 remov\$3 treat\$5) SAME (hydrogen nitrogen "H.sub.2" "N. sub.2")	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:44
S84	606	S75 AND (strip\$4 remov\$3 treat\$5 flow\$3 apply applying application) SAME (hydrogen nitrogen "H. sub.2" "N.sub.2")	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:45
S85	505	S84 AND (support carrier)	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:45
S86	320	S85 AND (regener\$7 reactiv \$7)	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:45
S87	343	S85 AND (regener\$7 reactiv \$7 clean\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:46
S89	348	S85 AND (regener\$7 reactiv \$7 clean\$3 restor\$6)	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:46
S90	304	S89 AND @ad< = "20021023"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/14 14:46
S91	57	S90 AND (acetylene ethyne "HC.sub.2H" "C.sub.2H. sub.2" propyne Methylacetylene (Methyl ADJ acetylene) "C.sub.3H.sub.4" propadiene) WITH hydrogenat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:46
S92	57	S91 AND temperature	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:47

S93	53	S92 AND (strip\$4 remov\$3 treat\$5 flow\$3 apply applying application hydrogen nitrogen "H.sub.2" "N.sub.2") WITH temperature	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:48
S94	73	S75 AND (strip\$4 remov\$3 treat\$5 flow\$3 apply applying application) SAME argon	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:49
S95	58	S94 AND (support carrier)	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:49
S96	45	S95 AND (regener\$7 reactiv \$7 clean\$3 restor\$6)	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:50
S97	37	S96 AND @ad< = "20021023"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/14 14:50
S98	4	S97 AND (acetylene ethyne "HC.sub.2H" "C.sub.2H.sub.2" propyne Methylacetylene (Methyl ADJ acetylene) "C.sub.3H.sub.4" propadiene) WITH hydrogenat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:50
S99	4	S98 AND temperature	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:50
S100	4	S99 AND (strip\$4 remov\$3 treat\$5 flow\$3 apply applying application argon) WITH temperature	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 14:51
S101	402	S75 AND (strip\$4 remov\$3 treat\$5 flow\$3 apply applying application) SAME hydrocarbon	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 15:00
S102	347	S101 AND (support carrier)	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 15:00
S103	263	S102 AND (regener\$7 reactiv \$7 clean\$3 restor\$6)	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 15:00
S104	36	S95 AND (regener\$7 reactivate reactivation clean \$3 restor\$6)	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 15:01
S105	29	S104 AND @ad< = "20021023"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/14 15:01
S106	6	S104 AND (acetylene ethyne "HC.sub.2H" "C.sub.2H.sub.2" propyne Methylacetylene (Methyl ADJ acetylene) "C.sub.3H.sub.4" propadiene) WITH hydrogenat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 15:02

S107	6	S106 AND (strip\$4 remov\$3 treat\$5 flow\$3 apply applying application hydrocarbon) WITH temperature	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 15:02
S108	47	S93 AND (regener\$7 reactivate reactivation clean \$3 restor\$6)	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 15:06
S109	44	S108 NOT (S100 S107)	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 15:07
S110	37	S109 AND (metal metallic) WITH (support carrier)	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/14 15:26

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